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Dr. Cresson described successful experiments with Wootten's method of utilizing coal dust in locomotives and ocean steamers, and in puddling iron; exhibiting samples of the iron refined in the process.

New nomination 804 was read.

Mr. Fraley reported as received and paid to the Treasurer the interest on the Michaux Legacy, due July 1, 1876.

On motion of Mr. Chase, seconded by Dr. LeConte, the Curators were authorized to furnish Profs. Guyot and Matile such antiquities as they may wish to copy, taking the usual guarantees for their safe return.

Applications of Messrs. Trübner & Co., and others, for copies of Transactions and Proceedings, were referred to the Librarian with power to act.

And the meeting was adjourned.

Stated Meeting, September 15, 1876.

Present, 15 members.

Vice-President, MR. FRALEY, in the Chair.

Letters of acknowledgment were received from the Leipzig Astronomical Society, dated May, (xiv., 93, 94, 95); the Teyler Foundation, Harlem (94); the Royal Society of Science, Göttingen, April (XV, 94); the Central Institute of Meteorology at Vienna, June (93, 94); the Royal Academy, Amsterdam, March 12 (XV, i. ii., 94 and XV, 93); the U. S. Naval Observatory, Washington, June 30, (97); and the Zoologico-Botanical Society, Vienna, May (92).

Letters of envoy were received from the Royal Observatory, Turin, dated July 18; Royal Academy, Amsterdam, December 15, 1874; Mr. Geo. Engelmann, St. Louis, July 6; the Department of the Interior, and the Department of State, Washington, June 29th and August 17, 1876.

Donations for the Library were received from the Academies at Copenhagen, Brussels, Rome, and Philadelphia; the Geological, Zoological, and Anthropological Societies at Vienna; the Art Union at Ulm; the Geographical Society, Editors of *Nouvelles Météorologiques* and *Revue Politique*, at Paris; the Antiquarian Society, Dr. Joseph Prestwick, and the Editors of *Nature*, in London; the Melbourne Mining Survey; Maine Historical Society; Essex Institute; Dr. H. Carrington; Boston Society of Natural History; Hon. R. C. Winthrop; Dr. S. A. Green; Silliman & Dana, New Haven; Editors of the *American Chemist*; Prof. G. A. Matile, Franklin Institute, College of Surgeons, and Editors of the *Penn Monthly*, *Medical News*, and *Journal of Pharmacy*, in Philadelphia; U. S. Departments of War and State, Surgeon General, and Signal Service Bureau, Washington; Editor of the *Scientific Monthly* at Toledo; U. Stempel at Chicago; and Dr. Jarvis of Dorchester, Massachusetts.

A photograph of Dr. T. S. Hunt was presented for insertion in the Album.

A letter from Prof. J. Henry, requesting attention to a letter from the Holland Society of Science, was referred to the Librarian with power to supply deficiencies in the series of A. P. S. Publications in the Library of that Society.

A letter from the Freiburg Natural History Society was referred to the Librarian with power to supply Proc. 89.

A letter respecting deficiencies was received from the Society at Würtemberg and referred to the Librarian.

A letter from D. S. Sheldon, Librarian of Griswold College, Davenport, Iowa, asking for Dr. Hor. Wood's memoir on *Myriapoda* was referred to Dr. Wood.

A circular was received from the *Société des Voyages* at Paris.

Mr. Lesley exhibited a neatly executed colored geological lithograph map of Mr. B. S. Lyman's Official Survey of the Island of Yesso, as the first work of the kind done in Japan.

Dr. Hunt, on invitation, described the history of geological opinion respecting the gneisses, green rocks and other metamorphic strata of the Alps, with the recent accordance of the views of Gastaldi and Favre, as opposed to those of Lory and others, with previously published views of his own, after he had recognized the Laurentian, Huronian and Montalban systems in the massif of Mont Blanc.

Pending nominations Nos. 804, 805, 806, and 807 were read.

On motion the use of the Hall was granted to the Commissioners of the Geological Survey for their meeting on the 19th inst.

On motion of Mr. Pearse it was resolved, That the Board of Commissioners be requested to recommend to the Governor of Pennsylvania the propriety of taking such measures as may be necessary for preserving the collections of the Geological Survey in the same place in which the collections presented by the Commissioners of foreign governments may be arranged.

And the meeting was adjourned.

Stated Meeting, October 7th, 1876.

Present, 10 members.

Secretary, DR. LE CONTE, in the Chair.

Dr. Moor, a newly elected member, was introduced to the presiding officer and took his seat.

A letter of acknowledgment was received from the Observatory at Prague, dated Sept. 4 (XV, ii, 93, 94), from the R. Geological Society of Ireland, Sept. 16th (XIV Proc.), and from various correspondents by postal cards (97).

Letters of envoy were received from the Society at Marburg, April 1876;—the French Ministry of Public Works, Sept. 1876, desiring a return donation of some books on civil engineering or technology for the library of the Ecole des Ponts